

Use Attainability Analysis

for

WBID 3135 Stevenson Bayou

Submitted by MEC/ERC

To Missouri Department of Natural Resources Water Protection Program

On

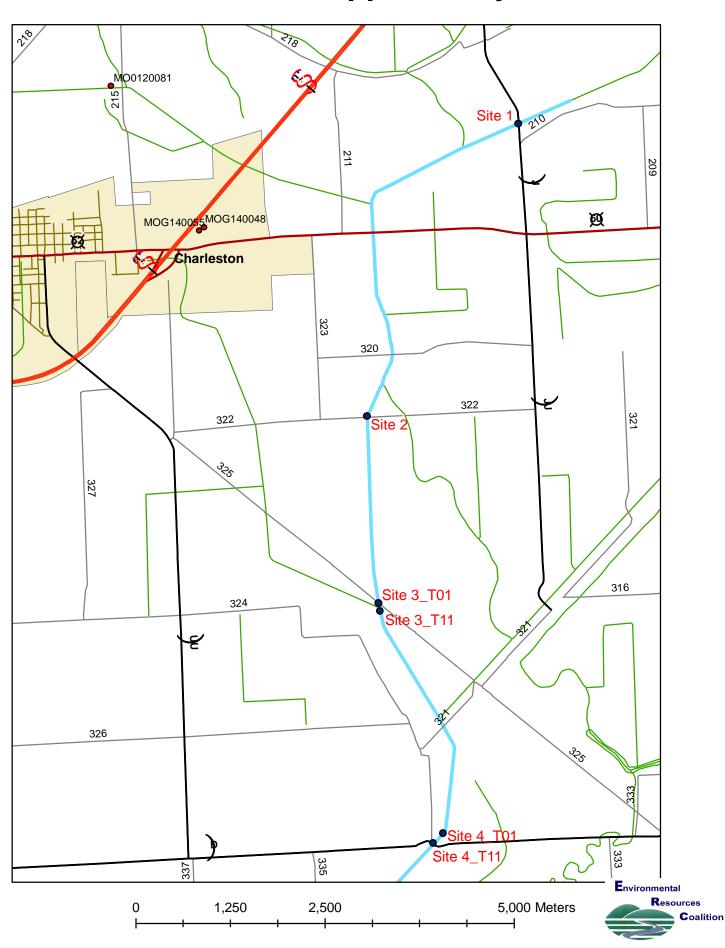
October 24, 2008

Data Sheet A – Water Body Identification

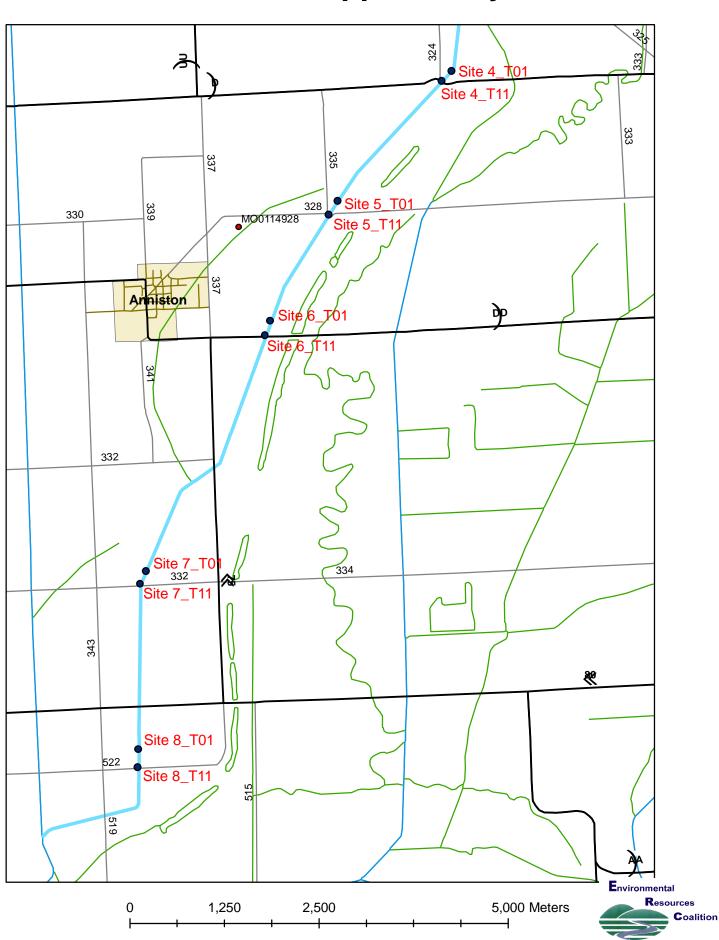
Wa	iter Body Name (from USGS 7.5' quad): Stevenson Bayou
Mis	ssouri Water Body Identification (WBID) Number: 3135
8-d	igit HUC: 0820201 New Madrid It John's
Cor	unty(ies), Listed Upstream to Downstream: Mississippi
Up	stream Legal Description (from Table H): 31, 27 N, 17E
Do	wnstream Legal Description (from Table H): 33, 25 ル 16 E
	mber of sites evaluated:
Lis	tall site numbers, consecutively upstream to downstream: wy I Bridge Downstream 3.) CoRd 325 Downstream 5.) CoRd 328 Upstream 7.) CoRd 334 Upstream ord 322 Upstream 4.) Hwy D Upstream 6.) Hwy DD bridge 8.) Upstream at
3/10	ord 322 apstream) 4.) Huy Dupstream 6.) upstream . 3.)cord 522
	lity Information (list all permitted discharges to this water body segment)
l Facil	lity Information (list all permitted discharges to this water body segment)
	ility Name(s) and Permit Number(s):
	Anniston WWTP MO0114928 Cheers TC (Shushine Try Ctr MOG 14004
	Wyatt Municipal WWTF M00088536 Charleston WWT Lagoon M00120081 Cheers! Travel Center M06140055 Dark Cypress Enterprises M06822131
I. UAA	A Surveyor (please PRINT legibly)
Nar	ne of Surveyor: Abigai L. Lynn Telephone Number: (973)634-7078
Org	ganization/Employer: ZRC
rovide	verify that you have completed all sections of <u>all</u> data sheets, checked all applicable boxes, ed a map (that includes all requirments listed in the <i>Missouri Recreational Use Attainability les: Water Body Survey and Assessment Protocol</i>) and that this form is complete.
TA A HADEVY	
1 <i>nalysi</i>	Potos /6/15/48

Data Sheet A Revised: December 19, 2007

WBID # 3135 - Stevenson Bayou Mississippi County



WBID # 3135 - Stevenson Bayou Mississippi County



Weather Conditions

Weather conditions ten days pervious to stream assessment are listed in the tables below. The date(s) that the stream was assessed are shaded.

Data from the WeatherUnderground.com Cairo, IL

Date	Precipitation (Inches)	Min. Temp (°F)	Max. Temp (°F)	Avg. Temp (°F)
10/5/2008	0.00	46.0	84.0	65.0
10/6/2008	0.00	51.0	84.0	68.0
10/7/2008	0.00	60.0	73.0	66.0
10/8/2008	0.00	50.0	71.0	61.0
10/9/2008	0.40	42.0	78.0	60.0
10/10/2008	0.00	46.0	84.0	65.0
10/11/2008	0.00	55.0	86.0	70.0
10/12/2008	0.00	57.0	87.0	72.0
10/13/2008	0.00	66.0	82.0	74.0
10/14/2008	0.00	62.0	80.0	71.0
10/15/2008	0.00	60.0	86.0	73.0

WBID#	3135
Site#_	1

Data Sheet B – Site Characterization (Page 1 of 3) (must be completed for each site)

	Date & Ti	ime:	10/15	08 (3)	.24	9			e.g., road crossi		
	Stream N			uson Ba	U S	Q	Hwy J	Brid	ge Dou	onstream	
	Current V	Veath	er Conditio		210 1		Facility Name	(s): Se	e Outas	heet of	
				ast 10 days:	acho		Permit Numbe	r(s):	see Auta	Sheet A	
	Official D)roug	ht Conditio	ns at time of this	survey	(search I	ONR home page for	"drough	t''):		
	No droug	ht 贝;	Phase I □;	Phase II □; Phas	e III □	; Phase I	V □; Unknown □				
1											
Si	te Locat	ion: N'CO	ORDINATES	UNIVERSAL TRA	NSVER	SE MERO	TATOR PROJECTION	, IN MET	ERS)		
	Site 01		ing (UTM 2		Nor		ГМ Y): ₄₀₈₉₉ 85	Horiz (EPE	zontal Accuracy / FOM / PDOF	Meters	
	Site 11		ing (UTM 2		Nor	thing (U7	гм ү):		zontal Accuracy //FOM/PDOF		
Dh	otos:										
F 11	Photo ID)#	Phot	to Purpose	Photo	ID#	Photo Purpos	Photo Purpose		Photo Purpose	
	295			ndeef 15:Htwoten	29	6	transect 1 Downstre	2 M			
			Male	15 (T) (Was SA)				. Parlathe cond.			
	Photo ID)#	Phot	to Purpose \	Photo	ID#	Photo Purpos	se	Photo ID#	Photo Purpose	
	Photo II	1		to Purpose	Photo	1	Photo Purpos		Photo ID#	Photo Purpose	
										•	
	Ises Observed*: (Uses actually observed at the time of survey.)										
US				☐ Skin diving	ut the t.	l	JBA diving	☐ Tub	ing	☐ Water skiing	
						☐ Boa		☐ Wao		☐ Rafting	
						☐ Fish			e of the above	☐ Other:	
	☐ Hunti Describe:	ng (Includ	le number of i	☐ Trapping ndividuals recreating,	photo-do					et D- Recreational Use Interview	
	when condi	ucting i	interviews.)								
	1										

Stream Name & WBI	D#_Stevens	ion Bayo	u 3	139	_ Date	of Surve	10/15/08	
Site #)		1					20	
	Field Data Sh	eets for Recreat	ional Use	e Stream	<u>Surveys</u>			
	Data Shee	t B – Site Char	acteriza	tton (Page	2 of 3)			
Surrounding Conditio	ns*: (Mark all that pro	omote or impede recreation	nal uses. Atta	ch photos of ev	ridence or unusual	l items of in	nterest.)	
☐ City/county parks	☐ Playgrounds	☐ MDC conservat	ion lands	☐ Urba	ın areas		Rural Residential	
☐ Campgrounds	☐ State parks	☐ National forests		☐ Natu	re trails		Stairs/walkway	
☐ Boating accesses	☐ Fence	No trespass sign	L	Stee	p slopes		Other:	
Comments:	Fields	`		,				
Evidence of Human U	Se*: (Attach photos ar	nd reference in "Photos" se	etion.)					
☐ Roads	☐ Foot paths/prin	ts Dock/plati	orm	☐ Campi	ng Sites	☐ Rope swings		
□ RV / ATV Tracks	☐ Fire pit/ring	☐ NPDES D	ischarge	☐ Fishing	g Tackle	☐ Live	estock Watering	
None of the above	Comments / Other:							
Substrate*: (These values s	should add up to 100%.)							
% Cobble	% Gravel	% Sand	50	% Silt	50% Mu	d/Clay	% Bedrock	
Aquatic Vegetation*:	Note amount of vegetation	n or algal growth at the as	sessment site.	.)		8	A	
90% Lilly plan	Pads, Duc	k weed,	ewer	qu	d plan	Ja,	suberged	
Water Characteristics	*: (Mark all that apply.)							
Odor:	Sewage	usky 🗆 Chen	iical	□ None	□ 0	ther:		
Color:	Clear Gr	een 🗆 Gray		☐ Milky	□ 0	ther:		
Bottom Deposit:	Sludge □ So	lids Fine	sediments	□ None		ther:		
Surface Deposit:	Oil Sc	um 🗆 Foam		□ None		ther:		

Data Sheet B Revised: December 19, 2007

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

Stream Name & W	BID#_Sterrenso	n Bayou	3135	Date of Surve	v <u>10/15/</u> 08
	Field Data Shee	ets for Recreatio	nal Use Stream	Surveys	
	Data Sheet I	B – Site Chara	cterization (Pag	ge 3 of 3)	
Additional Stream M		lated pools or other featur	res identified during the	survey that may support recre	
Channel Feature	Distance from access location (m)	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)
Comments: (Please reco	rd any additional comments here	e.)		Δ.	·
- Did not ell to not enb en leau - Loo d	ed any additional comments here only at who will mul c le + line w engerous res 1 GPS	le segmen letthod fr to cross	d because	e could no	t cross
- 2 pictre	rea 1 GPS	para			
- Only o	able to ste	atri g	stream	1-1.5m on	t
Please verify that you complete.					
Printed Names of Person Surveyor's Signature:	nnel Collecting Data:	Abley 64	inu + 1.	varis Hou	2011
Surveyor's Signature:	Duy Dil	- from	Date of Survey	10/15/00	£
Organization: 50		V	Position: Fig.	Od Mana	e1

																		Disso	olved Ox	xygen		
	Stream	Name:	Stevens	on Bayo	u	=	Waterbo	ody ID:	3135		i	Site #:	1		į	Date:	10/15	/2008		Time:	13:	:26
	Estimat	ed Chanr	nel Incisi	on:	0.25	(m) (he	ght betw	reen low	bank wid	lth and w	vater)					Di	issolved	Oxygen:	7.8		(mg/L)	
						ng (UTM								(meters)					93	_	(% sat)	
	11	UTM X UTM X	<u>:</u>			- -	UTM Y:					+/-		(meters)			Specif	ic Cond:	365		(μS/cm)	
		e Stream ermne Le			14+			(meters)		_	_	Segment: n width)			(meters)	Wa			23.86	_	-	
	Fiel	ld Staff:	Abby L	ynn and	Travis H	lowell (A	L & TH)						<u>.</u>								
										Trai	nsect C	ross-Sec	ction									
	O)1	()2		03	0)4	O	5)6)7	O	18	0	9	1	0	1	1
Station	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)						
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1.42	0.35	0		0)											0		0		0	
2	2.84	0.41	0		0												0		0		0	
3	4.26	0.45	0		0												0		0		0	-
4	5.68	0.45	0		0		Pole an	id line n	nethode	Used - 1	Dangero	ous to cr	oss - de	ep mud	silt		0		0		0	
5	7.1				0												0		0		0	
6	8.52				0												0		0		0	
7	9.94				0												0		0		0	
8	11.36 12.78				0												0		0		0	
Right Bank	14.2		0	0	0	0		0		0		0		0		0	0	0	0	0	U	0
Feature Type (riffle, run, or pool	R	un																				

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

Depth measurements taken at 10 equally spaced locations along transect (determine by dividing wetted width by ten)

Mark dry depth measurements as 0; record actual measurements to 0.1 meter unless depth is too deep to measure (then record as > 1)

All measurements to be taken to the nearest 0.01 meter.

	Surveyor's Signature:	Adigan L. L.	ynn	Date:	10/15/2008
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Data Sheet B – Site Characterization (Page 1 of 3) (must be completed for each site)

	Date & 7	ime:	10/15	28	13:4	15	Α	-	e.g., road crossi							
	Stream	Name	: 5+ei	penson Bo	uo	l	CoRd	CoRd 322 upstream								
	Current	Weath	er Conditio	ons: 7(0°	de		Facility Name	Facility Name(s): See July 5heet A								
	Weather	Cond	itions for P	ast 10 days:	hel	eel	Permit Numbe	Permit Number(s): See Data Sheet A								
	Official 1	Droug	ht Conditio	ons at time of this	survey	(search	DNR home page for	"drough	nt''):							
	No droug	ght 🗷;	Phase I	; Phase II □; Phas	se III 🗆	l; Phase	IV □; Unknown □									
1					40, 11, 11, 11											
Si	te Loca	tion:	ORDINATES	S (UNIVERSAL TR	INSVEI	SE MER	CATOR PROJECTION	, in mei	TERS)							
	Site 01		ing (UTM			thing (U		Hori	zontal Accuracy E / FOM / PDOF	. Meters						
	Site 11	East	ing (UTM	X):/65029590	7 Nor	thing (U	Meters									
Ph	hotos:															
	Photo II	noto ID# Photo Purpose				ID#	Photo Purpo	se	Photo ID#	Photo Purpose						
	297	7 R. M. BOOM			29	8	transect 11	^								
					,											
	Photo II	D#	Pho	to Purpose	Photo	ID#	Photo Purpo	se Photo ID#		Photo Purpose						
	Photo II	D#	Pho	to Purpose	Photo	ID#	Photo Purpo	se	Photo ID#	Photo Purpose						
	-									•						
He	es Ohse	ervec	*: (Hses a	actually observed	at the t	ime of si	urvev.)									
00				☐ Skin diving			UBA diving	☐ Tub	ing	☐ Water skiing						
						□ Воа	ating	☐ Wa	ding	☐ Rafting						
			-5					Nor	ne of the above	☐ Other:						
	Describe:	(Includ		ndividuals recreating,	photo-do			/		et D- Recreational Use Interview						
	when cond	ucting i	nterviews.)													
	☐ Hunt	l surfining	ng de number of i	☐ Kayaking ☐ Trapping	photo-do	□ Boa	ating hing	□ Wa	ding ne of the above	☐ Rafting ☐ Other:						

	Site #			ţ					1 *	
	Ū	Field Data Sh	eets	for Recreati	onal Use	Stream	Surveys			
		Data Shee	tB-	- Site Chara	acteriza	tion (Page	2 of 3)			
Su	rrounding Conditio	ns*: (Mark all that pro	omote c	r impede recreation	al uses. Attac	ch photos of ev	idence or unusual	items	of interest.)	
	☐ City/county parks	☐ Playgrounds		√DC conservati	on lands	☐ Urba	n areas	I	☐ Rural Resid	dential
	☐ Campgrounds	☐ State parks	🗆 1	Vational forests		☐ Natu	re trails		□ Stairs/walk	way
	☐ Boating accesses	☐ Fence		No trespass sign		Steep	slopes	I	☐ Other:	
	Comments:	Fields								
Εv	idence of Human Us	Se*: (Attach photos ar	d refer	ence in "Photos" se	ction.)					
	□ Roads	☐ Foot paths/prin	ts	☐ Dock/platf	orm	☐ Campir	ng Sites		Rope swings	
	□ RV / ATV Tracks	☐ Fire pit/ring	☐ NPDES Di	scharge	☐ Fishing	Tackle		Livestock Wat	ering	
	None of the above	Comments / Other:								
Su _.	bstrate*: (These values s	should add up to 100%.)								ley.
	% Cobble	% Gravel		% Sand	60	% Silt	40 % Mu	d/Cla	y %	6 Bedrock
4 q	uatic Vegetation*:				essment site.)				
Wa	iter Characteristics	*: (Mark all that apply.)								
	Odor:	Sewage Musky		☐ Chem	ical	□ None	ΠО			
	Color:	Clear Gr	6 4			☐ Milky	X 0	ther:	Black	
	Bottom Deposit:	Sludge Solids		Fine s	ediments	□ None	0	ther:		
	Surface Deposit:	Oil Sc	um	☐ Foam		□ None	ΠО	ther:		

Stream Name & WBID# Stevenson Boursu

Date of Survey

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

Stream Name & W	BID# <u>Sfeuenson</u> -	Bayou	7135	Date of Surve	y <u>/0/15 /0</u> 8									
	Field Data She	ets for Recreatio	nal Use Stream	Surveys										
	Data Sheet	B – Site Charac	cterization (Pag	ge 3 of 3)										
Additional Stream M	orphology: (Record iso	plated pools or other featur	es identified during the	survey that may support recre	ational uses.)									
Channel Feature	Distance from access location (m)	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)									
- Unalle 1	- Unable to get mon deserration trade due to steep slopes - Only oble to make it 1-1.5 m arrors stream due to deep silt/mul - Too deep to cross had to use pole t line method													
- Only o	hom estable	eit 1-1.5	m our	d Dream	due!									
to deep	silt/me	el		V e manufactures	-0 - 1									
- Too deep	- asan ot	hudtou	re pole	t line med	2000									
- Tag Ai	e of stuff	in deep	relati											
Please verify that you complete.	ı have completed all	l sections, checke	ed all applicable	e boxes, and that th	ne form is									
Printed Names of Person	nnel Collecting Data: _	A6424	nu + Tra	us Howel										
Surveyor's Signature: _	Muy C	Lynn	Date of Survey	:_/0/15/08										
Organization:	200	1 1	Position: 7.	ld Menay	er_									

																		Disso	olved Ox	xygen		
	Stream	Name:	Stevens	on Bayo	u	-	Waterbo	ody ID:	3135		-	Site #:	2			Date:	10/15	5/2008	_	Time:	13:	:26
	Estimat	ed Chanr	nel Incisi	on:	0.3	(m) (he	ight betw	een low	bank wi	dth and v	vater)					D:	ssolved	Oxygen:	7.26		(mg/L)	
		cation - 1					Y), Hor	izontal A	ccuracy	Estimate	e (<u>EPE</u> /	PDOP / I	FOM)					, ,				
	01	UTM X UTM X	:				UTM Y: UTM Y:					+/-		(meters)	i	D	ssolved	Oxygen:	87.8		(% sat)	
	11	UTM X	16S029	5907		•	UTM Y:		4086253	3	•	+/-	5	(meters)	i		Cmaaif	ia Candi	250		(C/om)	
	Average	e Stream	Width:		11.9 +/-			(meters)	L	ength of	Survey S	Segment:	280		(meters)		Specii	ic Colla.	359		(µS/cm)	
		ermne Le					(20x average stream width)								Wa	ter Tem	perature:	24.99		(°C)		
	т.	110, 00	411 Y			11.74	T 0 7771															
	Fie	ld Staff:	Abby L	ynn and	I ravis H	owell (A	L&IH)						Ī								
										Tra	nsect C	ross-Sec	ction									
	01 02 03 04 05 Distance Distance Distance Distance Distance)5	(06 07			0	08 09			10		11					
Station	Distance (m)	Depth (m)		Depth (m)		Depth (m)		Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0		0		0												0		0		1.19	
1					Ť																	
2	0		0		0												0		0		2.38	
3	0		0		0												0		0		3.57	0.28
4	0		0		0		Too de	ep to cr	oss, use	d pole a	nd line	method					0		0		4.76	0.32
5	0		0		0		(mud/s	ilt very	deep)								0		0		5.95	0.36
6	0		0		0												0		0		7.14	
-					0												0		0			
7	0		0		Ť																8.33	
8	0		0		0												0		0		9.52	0.42
9	0		0		0												0		0		10.71	0.2
Right Bank	0	0		0		0		0		0		0		0		0		0		0	11.9	0
Feature Type																			_			
(riffle, run, or pool																			1		Rı	un

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

Depth measurements taken at 10 equally spaced locations along transect (determine by dividing wetted width by ten)

Mark dry depth measurements as 0; record actual measurements to 0.1 meter unless depth is too deep to measure (then record as > 1)

All measurements to be taken to the nearest 0.01 meter.

Surveyor S Signature. Adigan L. Lynn Date. 10/13/20	Surveyor's Signature:	Abigail L. Lynn	Date:	10/15/2008
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WBID#	3135
Site#_	3

Data Sheet B – Site Characterization (Page 1 of 3) (must be completed for each site)

ſ				ſ									
	Date & T	ime:	10/15	08 14	4:11		Location Description (e.g., road crossing):						
	Stream	Name	Steve	enson Ro	LUDU	(CoR	Co Rd 325 Downstream					
	Current	Weath	er Conditio	ons: partly	loge de	,765	Facility Name	Facility Name(s): See Dada Sheet A					
				ast 10 days:	tool	010	1	Permit Number(s): See Oate Shape & A					
				ons at time of this				r "drough	t"):	*			
	No droug	ght 🏿;	Phase I □	; Phase II □; Phas	se III □;	Phase IV	□; Unknown □						
Si	Site Location: LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS)												
	Site 01	T		X): 1650295901	1	Northing (UTM Y): 4083777 Horizontal Accuracy: Meter							
	Site 11		ing (UTM		ł.	Northing (UTM Y):			Horizontal Accuracy: Meters (EPE / FOM / PDOP)				
Photos:													
	Photo ID# Photo Purpose				Photo	ID#	Photo Purpo	se	Photo ID#	Photo Purpose			
	299 transect 1 Downstream			oustream	_			rmente pg 3		Control of the Contro			
	(
	Photo II	D#	Pho	to Purpose	Photo ID#		Photo Purpose		Photo ID#	Photo Purpose			
	Photo II	D#	Pho	to Purpose	Photo	ID#	Photo Purpo	se	Photo ID#	Photo Purpose			
										•			
			II.b. 00 T				`						
Us [actually observed				□ T.L:		☐ Water skiing			
-	☐ Swim			☐ Skin diving			BA diving	☐ Tubi					
	□ Wind	surfir	ıg	☐ Kayaking		☐ Boatin		□ Wad		☐ Rafting			
	☐ Hunt:	ing	1 1 0	☐ Trapping		☐ Fishin		C 1	e of the above	☐ Other: at D- Recreational Use Interview			
	Describe: when cond			naividuais recreating,	pnoto-doc	umentation	or extremes or recreat	ionai uses, e	no. Ose Daia Sriet	L D- Medicational Obe That Field			

Data Sheet B Revised: December 19, 2007

				1				/ /						
	Site #3 Field Data Sheets for Recreational Use Stream Surveys													
		Field Data Sh	leets	tor Recreational U	se Strea	m surveys								
	Data Sheet B – Site Characterization (Page 2 of 3)													
Su	rrounding Condition	ns*: (Mark all that pro	omote o	impede recreational uses. A	ttach photos	of evidence or unusu	al items o	of interest.)						
	☐ City/county parks	☐ Playgrounds		IDC conservation lands	s 🗆 t	Jrban areas		Rural Residential						
	☐ Campgrounds	☐ State parks		lational forests		Tature trails		☐ Stairs/walkway						
	☐ Boating accesses	☐ Fence		lo trespass sign		teep slopes		Other:						
Comments: Farmfields - some terres														
Evidence of Human Use*: (Attach photos and reference in "Photos" section.)														
	□ Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Cai	☐ Camping Sites		lope swings						
	☐ RV / ATV Tracks	☐ Fire pit/ring		☐ NPDES Discharge	☐ Fis	ning Tackle		ivestock Watering						
	None of the above	•												
		_												
	w a a di													
Su	bstrate*: (These values s			% Sand	○ % S	ilt 40 % M	ud/Clay	w % Bedrock						
	% Cobble	% Gravel		76 Sand	20 % 5	707011		, , , , , , , , , , , , , , , , , , , ,						
Αq	uatic Vegetation*:	(Note amount of vegetation	n or alg	al growth at the assessment s	ite.)		N.							
	large	l muscl	RS	on what no	the	andre	以							
	40%+ 1	art year	M	on later of atments	ren o	lyce								
\ <i>\</i> \/.	ater Characteristics	*• (Mark all that annly)		,										
WWG		Sewage		☐ Chemical	□ No	ne 🗆	Other:	ME						
		· ·	een	Gray	<u> </u>		Other:	black						
		Sludge □ So		Fine sediment			Other:	- 1.0p						
		Oil Sc		☐ Foam	□ No		Other:							

Stream Name & WBID# Stevenson Bayou

3135 Date of Survey 10/15/07

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

Stream Name & WBID# 5 LevenSon Site # 3	Bayou	3136	Date of Survey /0/15/08						
Field Data Sheets for Recreational Use Stream Surveys Data Sheet B – Site Characterization (Page 3 of 3)									
Data Sheet B -	- Site Characte	rization (Page 3 of 3)							

Additional Stream Morphology: (Record isolated pools or other features identified during the survey that may support recreational uses.)

Channel Feature	Distance from access location (m)	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)

Co	mments: (Please record any additional comments here.)
	- Unable to go beyond transect # 7 due to "Thigh high" does let to much transect # 7 due to "Thigh high" does let to much or GPS at transect ! because and not reach the Coration and walle to take a picture of stuff in Bayon because of stuff in Bayon because of stuff and see hanks to an available of seemen
1	

Please verify that you have completed all sections, checked all applicable boxes, and that the form is complete.

Printed Names of Personnel Collecting Data:	Luna + Travis Howell
Timed Ivames of Fersonner Concerning 2 and	
Surveyor's Signature:	Date of Survey:
Organization: SRC	Position: Field Manager

																		Disso	lved O	xygen		
		Name:					Waterbo					Site #:	3			Date:	10/1:	5/2008	-	Time:	14	4:11
		ed Chanr					ght betw					DDOD //	FOM			D	issolved	Oxygen:	9.77		(mg/L)	
		UTM X UTM X					Y), Hori UTM Y: UTM Y:					+/- +/-	6	(meters)	·	D	issolved	Oxygen:	119.6		(% sat)	
		e Stream						(meters)		ength of				`	(meters)		Specif	fic Cond:	382		_(μS/cm))
		determne Length of Reach) (20x average stream width)			Wa	Water Temperature: 25.65 (°C)																
	Fiel	ld Staff:	Abby Ly	ynn and '	Travis H	owell (A	L & TH)															
		\d	0			.2		4				ross-Sec		-		.0		20		10		1.1
Station	Distance (m)	Depth (m)	Distance	Depth (m)	Distance	Depth (m)	Distance	Depth (m)	Distance	Depth (m)	Distance	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance	Depth (m)	Distance	Depth (m)	Distance	Depth (m
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0.39	0.11	0.44	0.18	0.27	0.15	0.72	0.19	0.66	0.14	0.73	0.15	0.68	0.17	0							
2	0.78	0.18	0.88	0.26	0.54	0.18	1.44	0.22	1.32	0.17	1.46	0.27	1.36	0.2	0							
3	1.17	0.35	1.32	0.31	0.81	0.26	2.16	0.28	1.98	0.14	2.19	0.22	2.04	0.2	0							
4	1.56	0.42	1.76	0.29	1.08	0.27	2.88	0.19	2.64	0.13	2.92	0.23	2.72	0.15	0		Mud to	oo deep 1	to contii	nue segr	nent	
5	1.95	0.36	2.2	0.3	1.35	0.24	3.6	0.26	3.3	0.24	3.65	0.33	3.4	0.2	0							
6	2.34	0.34	2.64	0.25	1.62	0.2	4.32	0.32	3.96	0.21	4.38	0.2	4.08	0.27	0						 	
7	2.73							0.25				0.21	4.76	0.26	0						 	-
8	3.12	0.15	3.52	0.12			5.76				5.84	0.22	5.44	0.28	0							-
9	3.51	0.07						0.09				0.16		0.16	0							-
Right Bank	3.9	0	4.4	0	2.7	0	7.2	0	6.6	0	7.3	0	6.8	0		0		0		0		0
Feature Type (riffle, run, or pool	R	un	R	un	R	un	Rı	un	R	un	R	un	Rı	ın								

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

Depth measurements taken at 10 equally spaced locations along transect (determine by dividing wetted width by ten)

Mark dry depth measurements as 0; record actual measurements to 0.1 meter unless depth is too deep to measure (then record as > 1)

All measurements to be taken to the nearest 0.01 meter.

(riffle, run, or pool

Surveyor's Signature: Abigail L. Lynn	Date:	10/15/2008
---------------------------------------	-------	------------

WBID#	3135
Site#	4

Data Sheet B – Site Characterization (Page 1 of 3) (must be completed for each site)

					,							
	Date & T	ime:	10/15	108 19	1:4	/	Location Desc	Location Description (e.g., road crossing):				
	Stream I	Vame	Steve	nson Ba	104)	Hwy C	Hwy D Upstream				
	Current '	Weath	er Conditio	ns: partuc	bud	4750	Facility Name	Facility Name(s): See Inta Sheet A				
				ast 10 days:	tacl	red Car		Permit Number(s): See Data Sheet 4				
						ONR home page for	"drough	t''):				
	No drought \(\mathbb{\pi}\); Phase I □; Phase III □; Phase IV □; Unknown □											
Si	Site Location:											
LOCATION COORDINATES (UNIVERSAL TRANSVERSE MERCATOR PROJECTION, IN METERS)												
	Site 01	East	ing (UTM	X):/650296569	Nor	thing (U7	ГМ Y): ₄₀₉₀₆₈₉	Heriz (EPE	ontal Accuracy / FOM / PDOI			
	Site 11			X):/650296420		Northing (UTM Y): 40%/05/66 (EPE) FOM / PDOP) Meters						
Ph	Photos:											
	Photo ID# Photo Purpose				Photo	ID#	Photo Purpos		Photo ID#	Photo Purpose		
	600		Y LONSO	ctil ceam 31		21	transect #	powerdom mean		Downstream also becomes dam		
	5		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	_	DI / ID//		DI I D		Photo ID#	Photo Purpose		
	Photo II	D#	Phot	to Purpose	Photo ID#		Photo Purpose		PHOIO ID#	1 hoto 1 di pose		
										Annual Section (Control of the Control of the Contr		
			1. A									
	Photo II			o Purpose	Photo	1	Photo Purpos		Photo ID#	Photo Purpose		
									·			
I I a	on Obay	> M4 / O C	** (TTgog s	ctually observed	at the t	ime of su	rvev)					
US	□ Swim		1 . (USES <u>2</u>	☐ Skin diving	at tiro t		JBA diving	☐ Tubi	ng	☐ Water skiing		
		l surfii	1 α	☐ Kayaking		☐ Boa		□ Wad		☐ Rafting		
	☐ Hunt		15	☐ Trapping		☐ Fish			e of the above	☐ Other:		
	Describe:	(Includ		ndividuals recreating,	photo-do	ocumentatio	on of evidence of recreat			et D- Recreational Use Interview		
	when cond	ucting i	interviews.)									

	Site #			t							
		Field Data Sh	<u>ieets</u>	for Recreational U	U se	Stream S	Surveys				
		Data Shee	tB-	- Site Characteriz	zati	ion (Page	2 of 3)				
Surr	rounding Condition	IS*: (Mark all that pro	mote c	or impede recreational uses. A	Attach	photos of evi	dence or unusual	1 2	. /		
	☐ City/county parks	☐ Playgrounds		MDC conservation land	ls	☐ Urbaı	n areas		Rural Residential		
	□ Campgrounds	☐ State parks	1 🗆	National forests		☐ Natu	re trails	☐ Stairs/walkway			
	☐ Boating accesses	☐ Fence	1 🗆	No trespass sign		Steep	slopes		Other:		
	Comments:										
Evid	lence of Human Us	e*: (Attach photos an	ıd refer	ence in "Photos" section.)							
	□ Roads	☐ Foot paths/print	ts	☐ Dock/platform		☐ Campin	g Sites		ope swings		
	☐ RV / ATV Tracks ☐ Fire pit/ring			☐ NPDES Discharge	э	☐ Fishing	Tackle	□ Li	vestock Watering		
	None of the above strate*: (These values sh	Comments / Other:									
	% Cobble	% Gravel	3	O % Sand 40)	% Silt	36 % Muc	d/Clay	% Bedrock		
Aqu	Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) 40-90% Langellands plannendows algore										
	er Characteristics*					Mar	ПО	داء مرود			
		Sewage		☐ Chemical	/	None	☐ O ₁				
-		Clear Gr		☐ Gray		☐ Milky	O ₁				
I	Bottom Deposit: S	Sludge \square So	lids	Fine sediment	ıts	□ None	☐ Ot	ther:			

Stream Name & WBID#

Bayou 3135 Date of Survey 10/15/08

 \square Foam

Scum

Surface Deposit:

□ Oil

☐ Other:

☐ None

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

Site #		ets for Recreatio	nal IIsa Stream	Surveys	
				·	
		B – Site Chara			-ti1
Itional Stream M Channel Feature	lorphology: (Record is Distance from access location (m)	blated pools or other feature Width (m)	res identified during the Length (m)	Median Depth (m)	Max Depth (n
	ord any additional comments he	· · · ·			
- Beaver (pre - Mul/	dom neon taken) s: (+ mot me	lament			
	trenders			ure slog	me del

Pleas complete.

Printed Names of Personnel Collecting Data: Abigail	'un of Travis Howell
	Date of Survey:
Organization:	Position: <u>Field Manager</u>

Data Sheet B Revised: December 19, 2007

																Dis			solved Oxygen				
				on Bayou			Waterbo	•				Site #:	4			Date:	10/15	/2008		Time:	14	:41	
	Estimate	ed Chanr	nel Incisi	on:	0.1	(m) (hei	ght betw	een low l	bank wid	lth and w	ater)					Di	ssolved	Oxygen:	10.66		(mg/L)		
	01	UTM X	16S029		, Northin	1	UTM Y:		4080688			+/-	6	(meters)		Dissolved Oxygen:			126.9	126.9 (% sat)			
	11	UTM X	16S0290	6426		Ţ	UTM Y:		4080566			+/-	5	(meters)			Specifi	ic Cond:	352		(μS/cm)		
					9			(meters)		_	-	segment:	180	((meters)	<u> </u>							
	(To dete	ermne Le	ngth of I	Reach)					(2	0x avera	ge strear	n width)				Water Temperature: 24.27 (°C)							
	Fiel	ld Staff:	Abby L	ynn and	Гravis Н	owell (A	L & TH)																
										Trar	nsect C	ross-Sec	ction										
	0	1	0)2	0	3	0	4	0	5	0	6	0	7	0	8	0	9	1	.0	1	1	
on	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)															
ank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0.48	0.53	0.43	0.06	0.62	0.11	0.94	0.23	0.89	0.36	0.91	0.07	0.77	0.12	0.73	0.23	0.78	0.33	0.71	0.24	0.77	0.12	
2	0.96	0.52	0.86	0.14	1.24	0.22	1.88	0.28	1.78	0.46	1.82	0.27	1.54	0.27	1.46	0.29	1.56	0.34	1.42	0.35	1.54	0.27	
3	1.44	0.5	1.29	0.25	1.86	0.35	2.82	0.32	2.67	0.72	2.73	0.47	2.31	0.43	2.19	0.24	2.34	0.48	2.13	0.39	2.31	0.26	
4	1.92	0.5	1.72	0.4	2.48	0.38	3.76	0.27	3.56	0.76	3.64	0.66	3.08	0.48	2.92	0.3	3.12	0.61	2.84	0.35	3.08	0.22	
5	2.4	0.48	2.15	0.54	3.1	0.38	4.7	0.24	4.45	0.79	4.55	0.59	3.85	0.5	3.65	0.38	3.9	0.6	3.55	0.37	3.85	0.22	
6	2.88	0.41	2.58	0.55	3.72	0.43	5.64	0.27	5.34	0.82	5.46	0.55	4.62	0.56	4.38	0.41	4.68	0.6	4.26	0.37	4.62	0.25	
7	3.36	0.35	3.01	0.47	4.34	0.4	6.58	0.36	6.23	0.81	6.37	0.56	5.39	0.56	5.11	0.52	5.46	0.59	4.97	0.38	5.39	0.25	
8	3.84	0.33	3.44	0.3	4.96	0.28	7.52	0.38	7.12	0.73	7.28	0.46	6.16	0.29	5.84	0.36	6.24	0.54	5.68	0.34	6.16	0.25	
9	4.32	0.12	3.87	0.46	5.58	0.14	8.46	0.13	8.01	0.39	8.19	0.2	6.93	0.08	6.57	0.21	7.02	0.25	6.39	0.17	6.93	0.09	

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

Run

8.9

Run

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

Depth measurements taken at 10 equally spaced locations along transect (determine by dividing wetted width by ten)

Mark dry depth measurements as 0; record actual measurements to 0.1 meter unless depth is too deep to measure (then record as > 1)

Run

All measurements to be taken to the nearest 0.01 meter.

Run

Run

Right Bank Feature Type

(riffle, run, or pool

Surveyor's Signature: Abigail L. Lynn Date: 10/15/2008

Run

Run

Run

Run

7.3

7.7

Run

Run

WBID#	3(35
Site#	5

Data Sheet B – Site Characterization (Page 1 of 3) (must be completed for each site)

ı						1:							
	Date & Time:	10/15/	08 15	. 37		Location Desc	eription (e	e.g., road crossi	ng):				
	Stream Name	. Stew	enson Bre	NOU	(CoRo	33	18 Upst	ream				
	Current Weath	er Condition	ons:	1, 7	150	Facility Name	(s): 5e	e Parter ?	sheet A				
	Weather Cond	itions for P	ast 10 days:	Hache	1)	Permit Numbe	Permit Number(s): See Datu Sheet A						
	Official Droug	ht Conditio	ons at time of this	survey (s	search D	NR home page for	R home page for "drought"):						
	No drought \(;	; Phase I □	; Phase II □; Pha	se III □;	Phase IV	√ □; Unknown □	-						
ł													
Si	te Location:	ODDINATE	CAUNTYED CATATO	NEVEDS	E MEDG	ATOR PROTECTION	J'IN MET	ERS)					
	Site 01 Easting (UTM X): Northing (UTM Y): Northing (UTM Y): EPE / FOM / PDOP) Meters												
	l l		X): 1650294821			M Y): ₄₀₇₈₈₉₄	77.	ontal Accuracy // FOM / PDOF					
Ph _.	Photos:												
	Photo ID#	to Purpose	Photo 1	ID#	Photo Purpo	Photo Purpose		Photo Purpose					
	303	trans Egu	ect 11	304	4	Lowsert Downstra	em						
		1	_	l	- u	D1		DI TO!	Dhada Duwo o sa				
	Photo ID#	Pho	to Purpose	Photo ID#		Photo Purpos	se 	Photo ID#	Photo Purpose				
					;		()						
	Photo ID#	Pho	to Purpose	Photo I	D#	Photo Purpos	se	Photo ID#	Photo Purpose				
									·				
Us	es Observed	!*: (Uses a	actually observed	at the tim	ne of sur	vey.)							
	☐ Swimming		☐ Skin diving			BA diving	☐ Tubi	ng	☐ Water skiing				
	☐ Wind surfi		☐ Kayaking		 □ Boati		☐ Wad	ing	☐ Rafting				
	☐ Hunting				☐ Fishiı	J	_	e of the above	☐ Other:				
							/ \		t D- Recreational Use Interview				

Data Sheet B Revised: December 19, 2007

Stream Name & WBI	D# Stevenso	n Baron	3/	39	Date of S	Survey 10/15/08	
Site # <u>5</u>						/ /	
	Field Data Sh	eets for Recreati	onal Use St	ream Surve	VS		
	Data Shee	t B – Site Chara	icterizatioi	n (Page 2 of 3)			
Surrounding Condition	ns*: (Mark all that pro	omote or impede recreation	al uses. Attach pho	otos of evidence or	unusual iten	ns of interest.)	
☐ City/county parks	☐ Playgrounds	☐ MDC conservati	on lands [☐ Urban areas		☐ Rural Residential	
☐ Campgrounds	☐ State parks	☐ National forests		☐ Nature trails		☐ Stairs/walkway	
☐ Boating accesses	☐ Fence	☐ No trespass sign		Steep slopes		☐ Other:	
Comments:	all l		,				
Farm	Fields						
Evidence of Human Us				Camping Sites		I D	
☐ Roads	☐ Foot paths/prin				Rope swings Livestock Watering		
☐ RV / ÀTV Tracks	□ RV / ATV Tracks □ Fire pit/ring □ NPDES Discharge □ Fishing Tackle						
None of the above	Comments / Other:						
Substrate*: (These values s	should add up to 100%.)						
% Cobble	% Gravel	70 % Sand	20)	% Silt //	% Mud/C	Clay % Bedrock	
		/ 0					
Aquatic Vegetation*:	(Note amount of vegetation	on or algal growth at the ass	sessment site.)				
00-107	collection	e on vor					
10%	and stran	er on bot de filano	mtous a	Den &			
	7		. 40				
Water Characteristics	*: (Mark all that apply.)						
Odor:	Sewage	usky 🗆 Chem	ical	None	☐ Othe	r:	
Color:	Clear 🗆 Gr	reen 🗆 Gray		Milky	☐ Othe	r:	
Bottom Deposit:	Sludge □ So	lids Fines	sediments 🗆	None	☐ Othe	er:	
Surface Deposit:	Oil 🗏 Sc	um 🗆 Foam		None	☐ Othe	r:	

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

Stream Name & WBID#_	Stevenson Bayou	3135	Date of Survey 10/15/08
Site #5	l		
F	ield Data Sheets for Recreati	onal Use Stream Surv	veys

Data Sheet B – Site Characterization (Page 3 of 3)

Channel Feature	Distance from access location (m)	Width (m)	Length (m)	survey that may support recre Median Depth (m)	Max Depth (
	()				
			1		
100 a 10 fa	rd any additional comments here	. \			
nse verify that yo	u have completed all	sections, check	ed all applicable	e boxes, and that tl	ne form is
	n have completed all	sections, check	ed all applicable	e boxes, and that th	ne form is
plete.		// -) /	1 6	e boxes, and that the	
plete.	u have completed all		n 4 Try	vis Howell	
iplete.		// -) /	1 6	vis Howell	

Data Sheet B Revised: December 19, 2007

																	Dissolved (Oxygen		
				on Bayou			Waterbo					Site #:	5			Date:	10/15	/2008		Time:	15:	.37	
	Estimat	ed Chanr	nel Incisi	on:	0.1	(m) (hei	ght betw	een low	bank wid	lth and w	ater)					Di	ssolved	Oxygen:	10.16		(mg/L)		
	01	UTM X	16S029		, Northin	1	UTM Y:		4079068			+/-	8	(meters)		Dissolved Oxygen: 124.3 (% sat					(% sat)		
	11	UTM X	16S0294	4824			UTM Y:		4078896			+/-	6	(meters)			Specifi	ic Cond:	347		(μS/cm)		
	_	e Stream ermne Le		Reach)	10.5		((meters)		ength of 0x avera		Segment: n width)	220	((meters)	Water Temperature:			25.59		(°C)		
	Field Staff: Abby Lynn and Travis Howell (AL & TH)																						
										Trai	nsect C	ross-Sec	ction										
01 02 03				3	0	4	0	5	0	6	0	7	0	8	0	9	1	.0	1:	1			
Station	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m	
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	0.89	0.17	1.09	0.14	1.04	0.25	0.92	0.09	0.9	0.29	1.02	0.26	1.06	0.09	0.99	0.12	0.93	0.15	0.98	0.25	1.15	0.33	
2	1.78	0.28	2.18	0.23	2.08	0.27	1.84	0.18	1.8	0.35	2.04	0.3	2.12	0.08	1.98	0.17	1.86	0.31	1.96	0.36	2.3	0.36	
3	2.67	0.25	3.27	0.22	3.12	0.26	2.76	0.29	2.7	0.34	3.06	0.25	3.18	0.12	2.97	0.18	2.79	0.42	2.94	0.3	3.45	0.27	
4	3.56	0.24	4.36	0.15	4.16	0.2	3.68	0.29	3.6	0.28	4.08	0.21	4.24	0.1	3.96	0.19	3.72	0.38	3.92	0.31	4.6	0.28	
5	4.45	0.19	5.45	0.1	5.2	0.21	4.6	0.23	4.5	0.26	5.1	0.16	5.3	0.16	4.95	0.17	4.65	0.32	4.9	0.35	5.75	0.25	
6	5.34	0.19	6.54	0.07	6.24	0.17	5.52	0.29	5.4	0.2	6.12	0.14	6.36	0.24	5.94	0.21	5.58	0.23	5.88	0.35	6.9	0.24	
7	6.23	0.19	7.63	0.06	7.28	0.12	6.44	0.33	6.3	0.2	7.14	0.11	7.42	0.36	6.93	0.29	6.51	0.2	6.86	0.34	8.05	0.21	
8	7.12	0.29	8.72	0.12	8.32	0.1	7.36	0.33	7.2	0.19	8.16	0.12	8.48	0.4	7.92	0.36	7.44	0.19	7.84	0.3	9.2	0.15	
9	8.01	0.13	9.81	0.15	9.36	0.12	8.28	0.29	8.1	0.1	9.18	0.09	9.54	0.32	8.91	0.33	8.37	0.18	8.82	0.29	10.35	0.1	

10.2

Run

10.6

Run

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

0

9.2

Run

0

9

Run

0

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

Depth measurements taken at 10 equally spaced locations along transect (determine by dividing wetted width by ten)

10.4

Mark dry depth measurements as 0; record actual measurements to 0.1 meter unless depth is too deep to measure (then record as > 1)

Run

All measurements to be taken to the nearest 0.01 meter.

10.9

Run

8.9

Run

0

Right Bank Feature Type

(riffle, run, or pool

Surveyor's Signature: Abigail L. Lynn 10/15/2008 Date:

Run

9.9

9.8

0

Run

11.5

Run

0

Run

9.3

0

WBID#	3135
Site#	6

Data Sheet B – Site Characterization (Page 1 of 3) (must be completed for each site)

						- November 1								
	Date & T	ime:	10/1	5/08/16	:15		Location Desc	cription (e	e.g., road crossii	ng):				
	Stream l	Name		enson B	audi	۷.	Huy	DOG	vidge	apstream				
	Current	Weath	er Conditio		do	idi	Facility Name	s(s): 5c	e Data Sh	oet A				
				ast 10 days:				Permit Number(s): See Outer Sheet A						
								R home page for "drought"):						
	No droug	ght 🗓;	Phase I 🗆	; Phase II □; Pha	se III 🗆	l; Phase	IV □; Unknown □							
Si	te Locat	tion:												
01	LOCATIO	ON CO	ORDINATES	S (UNIVERSAL TR	ANSVEI	SE MER	CATOR PROJECTION	y, in met	ers) contal Accuracy					
	Meters													
	Site 11	1		^{X):} 165029396 ^{X):} /6S029388			TM Y): <u>407754 1</u> TM Y): 4077350	TT .	ontal Accuracy / FOM / PDOP	· / Maters				
Ph	otos:													
						ID#	Photo Purpo	Photo Purpose		Photo Purpose				
	305		transe	steean	304		transect1 Upstrea							
	Photo II	D#	Pho	to Purpose	Photo	ID#	Photo Purpo	se	Photo ID#	Photo Purpose				
										`				
									No.					
	Photo II			to Purpose	Photo		Photo Purpo		Photo ID#	Photo Purpose				
										·				
He	as Ohsa)F/AC	¶*• (T]cec :	actually observed	at the t	ime of s	urvev)							
US	□ Swim			☐ Skin diving	at the t		UBA diving	☐ Tubi	ng	☐ Water skiing				
				☐ Kayaking		□ Вог		☐ Wad	ing	☐ Rafting				
				☐ Trapping		☐ Fis:		> /	e of the above	☐ Other:				
	Describe:	(Includ		ndividuals recreating,	photo-do					t D- Recreational Use Interview				

Data Sheet B Revised: December 19, 2007

	Stream Name & WB	ID# 51e nem	SOV	Bayne 3	136	Date	of Surve	ey (n/c5/08
	Site #							/ /
		Field Date St	anta	for Recreational Us	e Stream	Surveys		
		Fleiu Data SI	iceis	101 Reci cational Os	C Stream	Burveys		
		Data Shee	tB-	- Site Characteriza	ation (Pag	e 2 of 3)		
Su	rrounding Conditio	ns*: (Mark all that pro	omote o	or impede recreational uses. Atta	nch photos of e	vidence or unusua	l items of	interest.)
	☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urb	an areas		Rural Residential
	☐ Campgrounds	☐ State parks		National forests	☐ Nati	ure trails		Stairs/walkway
	☐ Boating accesses	☐ Fence		No trespass sign	Stee	p slopes		Other:
	Comments:	/ ^^						
	Fa	in Kield	A					
Ev	idence of Human U	Se*: (Attach photos ar	nd refer	ence in "Photos" section.)	T			
□ Roads □ Foot paths/prints □ Dock/platform □ Camping Sites □ Rope swings								
	☐ RV / ATV Tracks	☐ Fire pit/ring		☐ NPDES Discharge	☐ Fishin	g Tackle	☐ Liv	vestock Watering
	None of the above	Comments / Other:						
Ç.	bstrate*: (These values	should add up to 100%)						
Ou	% Cobble	% Gravel		(O) % Sand	% Silt	// % Mu	ıd/Clay	% Bedrock
	7,0 000010			0 10				
A	···etia Vaciatatian*·	Ol-t- amount of woodtatic		gal growth at the assessment site	•)			
ΑU	ualic vegetation .	(Note amount of Vegetation	ni oi an	gar growth at the assessment site	-1.00	Dr. Al	Di no	reader 11
	60-70	2/0 alque	N	gal growth at the assessment site.	ANDO E		- 600	
		algae	2					
		V						
Wa	ater Characteristics	*: (Mark all that apply.)						
	Odor:	Sewage	usky	☐ Chemical	None		Other:	
	Color:	Clear □ Gr	een	☐ Gray	□ Milky		Other:	
	Bottom Deposit:	Sludge □ So	lids	Fine sediments	☐ None		Other:	

☐ Foam

Scum

Data Sheet B Revised: December 19, 2007

Surface Deposit:

☐ Sludge

□ Oil

☐ Other:

□ None

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

Stream Name &	WBID#_Stevenso	Bayou	3139	Date of Surve	y <u>/6//s/0</u> 8
Site #		ţ			/ (
	Field Data She	ets for Recreati	onal Use Stream	Surveys	
	Data Sheet	B – Site Chara	cterization (Pag	ge 3 of 3)	
N. I. I.'C' and Character					eational uses.)
Channel Feature	Morphology: (Record is Distance from access location (m)	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)
Comments: (Please re	ecord any additional comments he	re.)			
- April	tream side & Evy cipatre	Red Resi	en ceeles bridge	- resem j	

																		Disso	olved Ox	xygen		
	Stream 1	Name:	Stevense	on Bayou	1		Waterbo	ody ID:	3135			Site #:	6			Date:	10/15	5/2008		Time:	16:	15
	Estimate	ed Chanr	nel Incisi	on:	0.1	(m) (hei	ght betw	een low	bank wic	lth and w	rater)					D	issolved	Oxygen:	11.63		(mg/L)	
			Easting (16S0293		, Northin	•	Y), Hori UTM Y:		ccuracy 4077541		(<u>EPE</u> /	PDOP / I +/-	,	(meters)		D	issolved	Oxvgen:	141		(% sat)	
			16S0293				UTM Y:		4077356			+/-		(meters)				, ,	335		(μS/cm)	
Average Stream Width: 9.5 (meters) Length of Survey Segment: 200 (To determne Length of Reach) (20x average stream width)									(meters)	Wa	•		25.08		(°C)							
	Field Staff: Abby Lynn and Travis Howell (AL & TH)																		.(-)			
		d Starr.	1100	y mir uma	114/15/11	owen (11	<u> </u>			Trai	sect C	ross-Sec	ction									
	0	1	0	2	0	3	0	4	0	5		06	0	7	0	18	0	19	1	0	1	1
Station	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0.69	0.28	0.91	0.12	1.02	0.12	1.1	0.2	0.8	0.15	0.89	0.35	1.07	0.17	0.89	0.09	0.93	0.18	0.79	0.23	0.78	0.
2	1.38	0.29	1.82	0.21	2.04	0.12	2.2	0.17	1.6	0.29	1.78	0.45	2.14	0.22	1.78	0.15	1.86	0.23	1.58	0.31	1.56	0.2
3	2.07	0.29	2.73	0.31	3.06	0.1	3.3	0.14	2.4	0.47	2.67	0.38	3.21	0.28	2.67	0.26	2.79	0.24	2.37	0.34	2.34	0.23
4	2.76	0.26	3.64	0.22	4.08	0.19		0.13	3.2	0.5	3.56				3.56		3.72	0.25			3.12	0
5	3.45	0.24				0.24	5.5		4	0.51	4.45		5.35				4.65					0.3
6	4.14	0.24	5.46			0.26	6.6	0.15	4.8	0.36			6.42	0.32	5.34		5.58					0.34
7	4.83	0.2	6.37			0.27	7.7	0.17	5.6		6.23						6.51	0.25				0.30
8	5.52	0.14				0.3	8.8	0.22	6.4	0.4	7.12				7.12		7.44					0.4
Pight Rank																						0.23
9 Right Bank	6.21	0.16	8.19 9.1	0.28	9.18	0.24	9.9 11	0.23	7.2 8	0.27	8.01 8.9	0.3	9.63	0.27	8.01	0.22	9.3	0.13	7.11 7.9	0.26	7.02	

Run

Run

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

Run

Run

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

Run

Depth measurements taken at 10 equally spaced locations along transect (determine by dividing wetted width by ten)

Mark dry depth measurements as 0; record actual measurements to 0.1 meter unless depth is too deep to measure (then record as > 1)

Run

All measurements to be taken to the nearest 0.01 meter.

Run

Feature Type

(riffle, run, or pool

Surveyor's Signature: Abigail L. Lynn Date: 10/15/2008

Run

Run

Run

Run

WBID#	3135
Site#	7

Data Sheet B – Site Characterization (Page 1 of 3) (must be completed for each site)

	Date & T	ime:	10/13	108 1	6.41	7	Location Desc							
	Stream I	Vame	• / .	uson R	YLLY	, 04	CoRd	33	34 Ups	stream				
	Current	Weath	er Conditio	ns: 73° ()	oud		Facility Name		ee Data	Sheet A				
f	Weather	Cond	itions for Pa	ast 10 days:	1	000	Permit Numbe	r(s): 5	èce Data	Sheet A				
	Official 1	Droug	ht Conditio	ns at time of this	survey	(search l	DNR home page for	IR home page for "drought"):						
	No droug	ght)(;	Phase I □;	Phase II □; Phas	e III □	; Phase l	[V □; Unknown □							
L						, , , , , , , , , , , , , , , , , , , 								
Si	e Loca	tion:	ODDING TES	CHMINTED CATE TO A	NCVED	SE MER	CATOR PROJECTION	J. IN MET	ERS)					
	Site 01			(0) 1650292118	1		ГМ Y): ₄₀₁₄₃ 47	Horiz ŒPE	ontal Accuracy / FOM / PDOI	P) (
	Site 11			X):1650292031			TM Y): 4074180	Horiz	ontal Accuracy / FOM / PDOI					
L														
Ph	otos:			The state of the s	D1	TD#	Dhoto Durno	Photo Purpose		Photo Purpose				
	Photo II	Photo ID# Photo Purpose		•	Photo	ID#	transect!		Photo ID#	transect1				
	30				30	8	Upstreav		307	Downstream				
			1, 10	e amounts						D1 - t- Promongo				
	Photo I	D#	Phot	to Purpose	Photo ID#		Photo Purpos	se	Photo ID#	Photo Purpose				
		in the												
	Photo I		l .	to Purpose	Photo		Photo Purpo		Photo ID#	Photo Purpose				
	01		-#* /TT		ot tha t	ime of si	ITVAV)							
US				ctually observed	at the t		UBA diving	☐ Tub	ing	☐ Water skiing				
	☐ Swimming ☐ Skin diving						☐ Wac		☐ Rafting					
	☐ Wind surfing ☐ Kayaking					☐ Boa		1/		☐ Other:				
	☐ Hunting ☐ Trapping Describe: (Include number of individuals recreating, page 1)				nhoto d	☐ Fisl	ning		e of the above etc. Use <i>Data She</i>					
	Describe when cond	: (Inclu lucting	de number of i interviews.)	naiviauais recreating,	biroto-g	ocumentan	OIL OI EVIDENCE OF ICCIDAL	4303,	OUT DAMA DITO					

Stream Name & WBII	D#Stenens	son Roy	ou c	3135	_ Date	of Survey	10/15/08						
Site #		Malayee											
	Field Data Sh	neets for Recr	eational Use	Stream	Surveys								
	Data Snee	t B – Site Cl	naracteriza	uon (Page	2 (01 3)								
Surrounding Condition	15*: (Mark all that pro	omote or impede recr	eational uses. Attac	h photos of ev	ridence or unusual	l items of in	terest.)						
☐ City/county parks	☐ Playgrounds	☐ MDC conse	ervation lands	☐ Urba	n areas		Rural Residential						
☐ Campgrounds	☐ State parks	☐ National for	ests	☐ Natu	re trails		Stairs/walkway						
☐ Boating accesses				Stee	p slopes		Other:						
Comments:	Farm Iteles Trash Dumping in Stream												
vidence of Human Use*: (Attach photos and reference in "Photos" section.)													
□ Roads	☐ Foot paths/prin	ts Dock/	platform	☐ Campi	ng Sites	☐ Rope	Rope swings						
☐ RV / ATV Tracks	☐ RV / ATV Tracks ☐ Fire pit/ring			☐ Fishing	g Tackle	☐ Live	stock Watering						
None of the above	Comments / Other:												
Substrate*: (These values si	hould add up to 100%.)												
% Cobble	% Gravel	50 % Sa	and 4/0	% Silt	/() % Mu	d/Clay	% Bedrock						
		JO											
Aquatic Vegetation*:	Note amount of vegetatio	on or algal growth at t	he assessment site.)									
40-509	Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) 40-50% algae + lang thunds of felamentoescalgues												
Water Characteristics*	: (Mark all that apply.)												
	Sewage		Chemical	None	ΠО	ther:							
Color:	Clear 🗷 Gr	een 🗆 (bray	☐ Milky	ΠО	ther:							
Bottom Deposit:					ts 🗆 None 🗆 Other								
Surface Deposit:	Oil Sc	um 🗆 F	oam	□ None □ Other:									

Data Sheet B Revised: December 19, 2007

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

7.		BID#_Stevens	R. R.	31:	36 Date of Surve	16/19/08					
			on sur			, 					
	Site #		, a TD , 4°	III. Changara	Cyrograpia						
		Field Data She	ets for Recreation	nai Use Stream	Surveys						
		Data Sheet	B – Site Chara	cterization (Pag	ge 3 of 3)						
Addi	tional Stream M	orphology: (Record iso	plated pools or other featu	res identified during the	survey that may support recre	ational uses.)					
	Channel Feature	Distance from access location (m)	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)					
L											
Com	nments: (Please reco	rd any additional comments he	re.)		sinceres for						
	- Did not	ente dour Large an	utreume s	turrey	· downsh	lev					
	due to	large an	counts of	trach							
		Committee and the committee an	V								
	se verify that you plete.	u have completed al	II sections, check	ted all applicabl	e boxes, and that t	he form is					
	Printed Names of Personnel Collecting Data: Abigail Lynn & Kavis Howell										
Print											
Surv	Surveyor's Signature:										
Orga	Organization: Position: Field Manage										

											Dissolved Oxygen											
	Stream 1	Name:	Stevenso	on Bayou	1	Ē	Waterbo	ody ID:	3135		i	Site #:	7			Date:	10/15	5/2008		Time:	16:	:49
	Estimate	ed Chanr	nel Incisio	on:	0.4	(m) (hei	ght betw	een low	bank wid	lth and w	vater)					Di	issolved	Oxygen:	6.88		(mg/L)	
	GPS Lo	cation - l	Easting (UTM X)	, Northin	ng (UTM	Y), Hori	zontal A	ccuracy	Estimate	(<u>EPE</u> /	PDOP / 1	FOM)				.5501704	0.1, gen.	0.00		(111.8/12)	
			16S0292				UTM Y: UTM Y:		4074346 4074180		•	+/-		(meters)		Di	issolved	Oxygen:	81.3		(% sat)	
	11	OTWIX	1030292	2031		•	O I WI I.		4074100		•	1/-	0	(IIICtC1S)			Specif	ic Cond:	347		(µS/cm)	
			Width: ength of F		9			(meters)		_	Survey S ge strear	Segment:	180		(meters)	Wo	tor Tom	perature:	22.64		(°C)	
	(10 dete	iiiiie Le	ilgui oi r	(eacii)					(2	ox avera	ge sueai	ii widiii)				wa	iter reini	perature.	23.04		(C)	
	Field Staff: Abby Lynn and Travis Howell (AL & TH)																					
										Trai	nsect C	ross-Sec	ction									
	0	1	0	2	0	13	0	4	0	5	0	6	0	7	0	8	0)9	1	.0	1	1
Station	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0.87	0.09	0.56	0.11	0.4	0.07	0.81	0.08	8.8	0.1	0.93	0.17	0.93	0.25	0.97	0.12	0.97	0.21	0.88	0.24	0.89	0.27
2	1.74	0.1	1.12	0.37	0.8	0.06	1.62	0.08	17.6	0.4	1.86	0.19	1.86		1.94	0.16	1.94	0.34	1.76	0.34	1.78	0.4
3	2.61	0.26	1.68	0.64	1.2	0.31	2.43	0.12	26.4	0.48	2.79	0.27	2.79	0.53	2.91	0.28	2.91	0.5	2.64	0.51	2.67	0.41
4	3.48	0.4		0.76			3.24	0.27	35.2	0.49		0.39		0.58				0.54			3.56	0.48
5	4.35	0.44				0.61	4.05	0.35				0.59										0.6
6	5.22	0.35					4.86		52.8				5.58		5.82					0.66		0.56
7	6.09							0.72	61.6			0.71	6.51	0.43	6.79							0.42
,	6.96								70.4			0.71								0.65		0.42
0																						
9	7.83	0.22	5.04	0.25			7.29	0.82	79.2	0.25		0.4		0.32	8.73				7.92	0.38		0.3
Right Bank	8.7	0	5.6	0	4	0	8.1	0	88	0	9.3	0	9.3	0	9.7	0	9.7	0	8.8	0	8.9	0

Run

Run

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

Run

Run

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

Depth measurements taken at 10 equally spaced locations along transect (determine by dividing wetted width by ten)

Mark dry depth measurements as 0; record actual measurements to 0.1 meter unless depth is too deep to measure (then record as > 1)

Run

All measurements to be taken to the nearest 0.01 meter.

Run

Run

Feature Type

(riffle, run, or pool

Surveyor's Signature: Abigail L. Lynn 10/15/2008 Date:

Run

Run

Run

Run

ຶ¬ WBID#ຸ	3135
Site#	8

Data Sheet B – Site Characterization (Page 1 of 3) (must be completed for each site)

								1		
Date & Time:	10/15/0	8	17!	24		_	e.g., road crossi			
Stream Name	: Sten	onson B	XXXII	ou	Upstre	am o	t Co R	d 522		
Current Weath	ner Conditio	ons:	ſ	4	Facility Name	(s): Se	e Duter	Sheet A		
Weather Cond			Hack	hed	Permit Numbe	Consequent Consequent	See Oat	10. Shoot A		
	M.				ONR home page for	"drough	t''):			
No drought	; Phase I □	; Phase II □; Phas	se III 🗆	l; Phase Γ	V □; Unknown □					
Cita I continu										
Site Location:	ORDINATES	S (UNIVERSAL TR	ANSVEF	RSE MERC	ATOR PROJECTION	, IN MET	ERS)			
		X): 165029197			TM Y):4071998	Horizontal Accuracy: Meters (EPB) FOM / PDOP) Meters				
		X):165029184°		thing (UT	MY):4071764	MY):4071764 (EPE/FOM/PDOP) Meters				
Photos:										
Photo ID#	Pho	to Purpose	Photo	ID#	Photo Purpose		Photo ID#	Photo Purpose		
310	tanse	streum	311		transect Powastre	eam				
								DI / D		
Photo ID#	Pho	to Purpose	Photo ID#		Photo Purpose		Photo ID#	Photo Purpose		
(***) (***) (***)			No. 1715	s all gradi		(1. N-199 ₃)				
Photo ID#		to Purpose	Photo		Photo Purpos		Photo ID#	Photo Purpose		
								•		
								,		
Uses Observed	d*: (Uses a		at the t							
☐ Swimming	5	☐ Skin diving		SCU	BA diving	☐ Tub:		☐ Water skiing		
☐ Wind surfi	ng	☐ Kayaking		☐ Boat	ting	□ Wac	ling	☐ Rafting		
☐ Hunting		☐ Trapping		☐ Fish:			e of the above	Other:		
Describe: (Inclu when conducting	de number of i interviews.)	ndividuals recreating,	photo-do	ocumentatio	n of evidence of recreat	ional uses,	etc. Use <i>Data She</i>	et D- Recreational Use Interview		

	Site #()										
		Field Data S	heets	<u>for Recreational Us</u>	e Stream	Surveys					
		Data She	et B –	- Site Characteriza	ı tion (Page	2 of 3)					
Su	rrounding Cond	itions*: (Mark all that p	romote oi	r impede recreational uses. Atta	ch photos of ex	idence or unusual	items of it	nterest.)			
	☐ City/county park	cs		IDC conservation lands	☐ Urba	ın areas		Rural Residential			
	☐ Campgrounds	☐ State parks		Vational forests	☐ Natu	re trails		Stairs/walkway			
	☐ Boating accesses	s 🗆 Fence		lo trespass sign	Stee	p slopes		Other:			
	Comments:	ields.									
Ev	idence of Humar	n Use*: (Attach photos a	and refere	ence in "Photos" section.)	Т						
	☐ Roads	☐ Foot paths/pri	nts	☐ Dock/platform	☐ Campi	ng Sites	☐ Rop	e swings			
	□ RV / ATV Tracks □ Fire pit/ring □ NPDES Discharge □ Fishing Tackle □ Livestock Watering										
	None of the above	ve Comments / Other:									
Su		ulues should add up to 100%.)			a 0/ G'l) // O/ D/5-2	4/Clay	% Bedrock			
	% Cobble	% Gravel		70 % Sand 30	% Silt	70 WIU	d/Clay	70 Dedrock			
Ac	uatic Vegetation	*: (Note amount of vegetat	ion or alg	al growth at the assessment site	e.)						
	30	-40% al	de la	ituer +	flan	entous	alge	ul			
Wa		ics*: (Mark all that apply									
	Odor:	☐ Sewage ☐ M	Iusky	☐ Chemical	None Non	ΠО	ther:				
	Color:	☑ Clear ☑ G	ireen	☐ Gray	☐ Milky	□ O	ther:				
	Bottom Deposit:		olids	☐ Fine sediments	☐ None	□ 0	ther:				
	Surface Deposit:	□ Oil S	cum	☐ Foam	☐ None	□ 0	ther:				

Stream Name & WBID#__________

3135 Date of Survey

Data Sheet B Revised: December 19, 2007

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

			<i>9</i> %,	general grant of the state of t		
, °F	Stream Name & W	BID#_Stevens	on Bayou	4 3135	Date of Surve	y <u>10/15/0</u> 8
	Site #					
		Field Data Shee	ts for Recreation	nal Use Stream	Surveys	
				cterization (Pag		
Additi	onal Stream M	orphology: (Record isol	ated pools or other feat	res identified during the		
(Channel Feature	Distance from access location (m)	Width (m)	Length (m)	Median Depth (m)	Max Depth (m)
						,
Comn	nents: (Please reco	rd any additional comments here	e.)			
	· None					
	J0010					
70.7	10 (T)	u have completed all	gootiong shoot	rad all annlicahl	e boxes, and that t	he form is
comp	lete.					
Printe	l Names of Person	nnel Collecting Data: _	Abigail	Lyon 7	Travis Howe	
Cramero	ion'a Sianatura:	Strange L.		Date of Survey	y: 10/05/08	
Survey	or s orginature: 7	- myer - ou		Position:	alo Manuaco	
Organ	ızatıon: <u> </u>			1 08111011.	Max and	

																Dissolved Oxygen						
	Stream	Name:	Stevenso	on Bayou	1	ī	Waterbo	ody ID:	3135			Site #:	8			Date:	10/15	/2008		Time:	17:	:24
	Estimated Channel Incision: 0.3 (n GPS Location - Easting (UTM X), Northing 01			(m) (hei	n) (height between low			bank width and water						Di	Dissolved Oxygen:		6.9		(mg/L)			
				6S0291871 U			, ·		4071998			+/-		OM) 8 (meters)		Dissolved Oxygen:			81.5			
	11 UTM X 16S0291848						JTM Y:		4071764			+/- 8 (meters)		(meters)		Specific Cond:			336		(μS/cm)	
	Average Stream Width: 12 (To determne Length of Reach)							(meters)	Length of Survey (20x average strea			_			(meters)	Wa	ater Temperature:				_(°C)	
	Fiel	ld Staff:	Abby Ly	ynn and T	Гravis Н	owell (A	L & TH)											·				
	Transect Cross-Section																					
	01		02		03		04		05		06		07		08		09		10		11	
Station	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)	Distance (m)	Depth (m)
Left Bank	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1.11	0.14	0.85	0.22	1.09	0.34	1.03	0.09	1.07	0.17	1.08	0.24	1.1	0.16	1.05	0.6	1.26	0.38	1.28	0.14	1.46	0.22
2	2.22	0.18	1.7	0.4	2.18	0.54	2.06	0.1	2.14	0.18	2.16	0.6	2.2	0.25	2.1	0.59	2.52	0.5	2.56	0.15	2.92	0.14
3	3.33	0.14	2.55	0.79	3.27	0.58	3.09	0.12	3.21	0.22	3.24	0.55	3.3	0.23	3.15	0.5	3.78	0.51	3.84	0.12	4.38	0.14
4	4.44	0.15	3.4	0.74	4.36	0.52	4.12	0.16	4.28	30	4.32	0.49	4.4	0.24	4.2	0.44	5.04	0.56	5.12	0.19	5.84	0.15
5	5.55	0.22	4.25	0.63	5.45	0.51	5.15	0.32	5.35	0.35	5.4	0.46	5.5	0.25	5.25	0.44	6.3	0.51	6.4	0.09	7.3	0.14
6	6.66	0.26	5.1	0.71	6.54	0.46	6.18	0.4	6.42	0.42	6.48	0.4	6.6	0.25	6.3	0.44	7.56	0.33	7.68	0.14	8.76	0.1
7	7.77	0.33	5.95	0.71	7.63	0.45	7.21	0.45	7.49	0.34	7.56	0.4	7.7	0.27	7.35	0.39	8.82	0.39	8.96	0.19	10.22	0.09
8	8 88	0.4	6.8	0.62	8 72	0.54	8 24	0.4	8 56	0.37	8 64	0.41	8.8	0.28	8.4	0.45	10.08	0.36	10 24	0.28	11 68	0.12

9.72

10.8

Run

0.26

0

Run

0.28

9.9

Run

0.19

9.45

10.5

Notes: Transects will be measured beginning on left descending bank (0 depth) and finishing on right descending bank (0 depth). This width is the wetted width

0.4

0

9.27

10.3

Run

0.48

0

9.63

10.7

GPS locations corresponds to Transect 01 and 11. Transects ordered in upstream to downstream order.

0.53

Depth measurements taken at 10 equally spaced locations along transect (determine by dividing wetted width by ten)

9.81

10.9

Mark dry depth measurements as 0; record actual measurements to 0.1 meter unless depth is too deep to measure (then record as > 1)

Run

All measurements to be taken to the nearest 0.01 meter.

7.65

8.5

Run

9.99

11.1

Run

0.34

0

Right Bank Feature Type

(riffle, run, or pool

Surveyor's Signature: Abigail L. Lynn 10/15/2008 Date:

Run

11.34

12.6

Run

0.38

0

11.52

12.8

Run

0.2

0

13.14

14.6

Run

0.17

0.21

0































